

Fig. 4

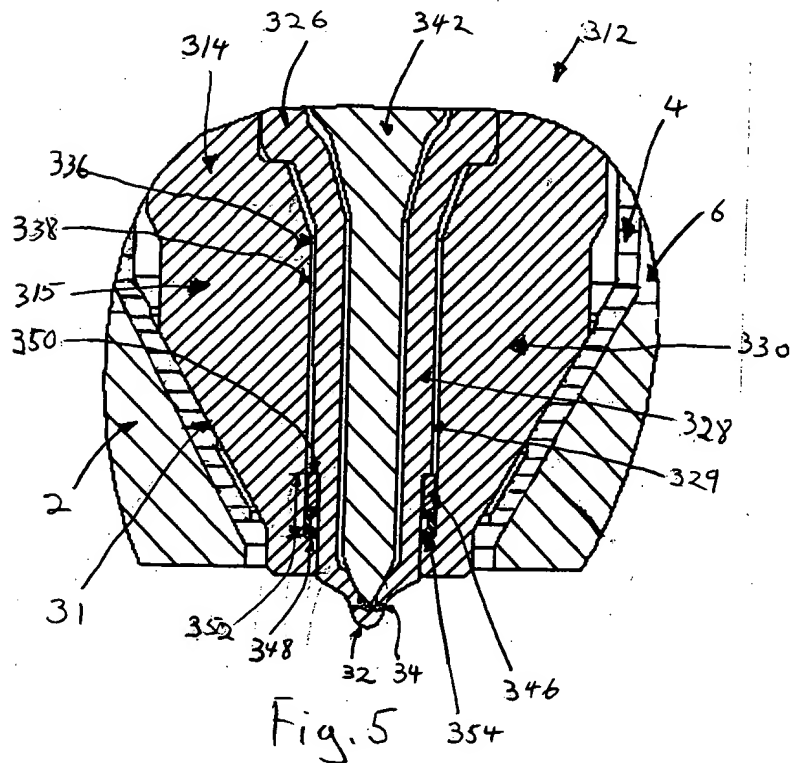
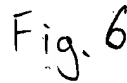


Fig. 5



A line graph showing Nozzle Temperature (deg F) on the Y-axis versus BMEP (psi) on the X-axis. The Y-axis ranges from 300 to 800 in increments of 50. The X-axis ranges from 0 to 220 in increments of 20. Two data series are plotted: 'Uncooled Nozzle' (represented by a solid line with circular markers) and 'Cooled Nozzle' (represented by a solid line with square markers). The 'Uncooled Nozzle' curve starts at approximately (18, 350) and rises to about (205, 735). The 'Cooled Nozzle' curve starts at approximately (22, 305) and rises to about (175, 460). Both curves show an upward trend, with the uncooled nozzle reaching a much higher temperature for the same BMEP.

BMEP, psi	Uncooled Nozzle Temperature, deg F	Cooled Nozzle Temperature, deg F
18	350	-
22	-	305
25	390	315
55	495	350
100	590	410
135	665	-
140	-	445
165	710	455
175	-	460
175	735	-
205	735	-

Fig. 7